

CLAIMS

1. A metal complexing agent having attached thereto at least
 5 one substituent of formula



where:

- Y is the same or different at different locations within the molecule and is independently chosen from: an A group, a C₄₋₈
 10 cycloheteroalkylene group, a C₄₋₈ cycloalkylene group, a C₅₋₁₂ arylene group, a C₃₋₁₂ heteroarylene group, or a polyalkyleneglycol, polyactic acid or polyglycolic acid moiety,

m is an integer of value 0-20,

- A is a 3-10 atom chain of units selected from -CR₂-,
 15 -CR=CR-, -C≡C-, -NRCO-, -CONR-, -SO₂NR-, -NRSO₂-, or -CR₂ZCR₂- where Z is -CH₂-, O, S, Se or -NR-,

R is the same or different at different locations within the molecule and is independently chosen from H, C₁₋₄ alkyl, C₁₋₄ alkenyl, C₁₋₄ alkynyl, C₁₋₄alkoxyalkyl or C₁₋₄ hydroxyalkyl,

- 20 with the proviso that the complexing agent does not also have attached thereto a hypoxia localising moiety.

2. The metal complexing agent of claim 1, wherein A is
 -NHCO(CH₂)₂Z(CH₂)₂-, or
 -SO₂NH(CH₂)₂Z(CH₂)₂-, or
 25 -(CH₂)₂Z(CH₂)₂-.

3. The metal complexing agent of claim 1 or claim 2, wherein Z is CH₂.

4. The metal complexing agent of any one of claims 1 to 3, wherein the at least one substituent has the formula



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5. The metal complexing agent of any one of claims 1 to 4, wherein the substituent has the formula
- $$-(Y)_b-Ar-SO_2NH(CH_2)_5NH_2$$
- where b is an integer of value 0 to 19 and Ar is an arylene or heteroarylene group.
6. The metal complexing agent of any one of claims 1 to 5, wherein the complexing agent is a metal chelating agent.
7. The metal complexing agent of claim 6, wherein the metal chelating agent is a diaminedioxime.
8. A metal complex of one or more radiometal or paramagnetic metal ions with the metal complexing agent of any one of claims 1 to 7.
9. The metal complex of claim 8, wherein the radiometal is ^{99m}Tc , ^{111}In or ^{67}Ga .
10. The metal complex of claim 8 or claim 9 for use in the diagnosis or therapy of thrombosis, embolism, atherosclerosis, inflammation or cancer.
11. A kit for the preparation of the metal complex of any one of claims 8 to 10.
12. A vessel containing a unit dose for human administration of the metal complex of any one of claims 8 to 10.
13. A method of preparing a composition for use in the diagnosis or therapy of thrombosis, , atherosclerosis, inflammation or cancer, which method comprises bringing the metal complex of any one of claims 8 to 10 into a form suitable for human administration.